

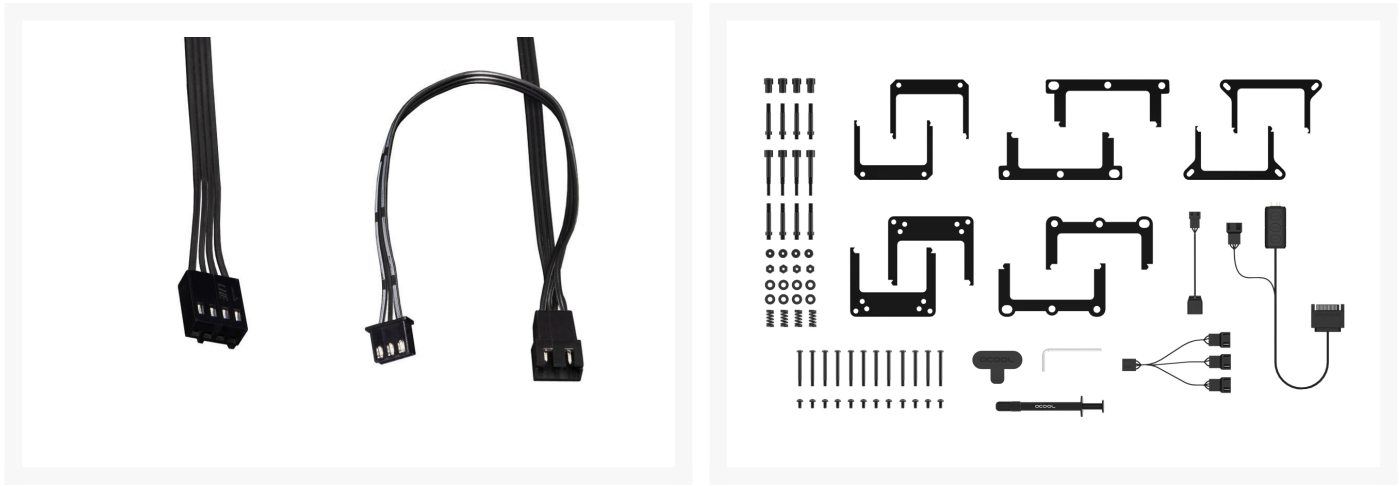


Alphacool Eisbaer Pro HPE Aurora 360 CPU AIO

\$230.95

Product Images





Short Description

The Eisbaer Pro HPE Aurora 360 CPU AIO water cooling features the extremely powerful NexXxos HPE Performance all-copper radiator equipped with the high-throughput Aurora Rise 120mm fans.

Description

Product Information

The Eisbaer Pro HPE Aurora 360 CPU AIO water cooling features the extremely powerful NexXxos HPE Performance all-copper radiator equipped with the high-throughput Aurora Rise 120mm fans. All of the components used come from the classic DIY water cooling range and are also used for the most part in the enterprise products for servers. The Eisbaer LT Aurora can be expanded with additional components thanks to the quick-release fastener. Alphacool's Eisbaer Pro HPE Aurora 360 CPU AIO is a high performance all-in-one water cooling system that is as easy to install as an AIO, but offers the performance of a pre-assembled and pre-filled custom loop.

Features

New HPE Radiator!

The NexXxos ST30 HPE Radiator uses the same materials as previous NexXxos models, but takes it a step further technically. Due to the condensed internal structure, the number of water channels and copper fins could be increased. Thus, a larger volume of water is in direct contact with the cooling fins and the heat transfer is enormously improved. The higher number of fin rows and their shortening also makes much more efficient use of the cooling surface. Comparison tests with the conventional NexXxos radiator have shown that a performance increase of 4.5K is possible when using the HPE radiator. At higher ambient temperatures and higher fan speeds, the performance gap with the normal NexXxoS radiators even increases progressively, reaching a possible performance increase of up to 6K.

Cooler & Pump

The cold plate bottom covers the entire surface of the respective processors. The area of the cooling fins exceeds all known processor cores with an area of around 55 x 42mm. This ensures that all hotspots of a CPU are directly covered and thus optimally cooled. The cooling fins are 0.4mm thick and also have an optimal distance of 0.4mm between them. In total there are 58 cooling fins on the bottom of the cooler. The bottom of the cooler is only 3mm thick, which allows the heat to reach the water and be dissipated as quickly as possible. The Eisbaer Pro Aurora cooler uses the very compact and small DC-LT 2 pump. It offers enough power to integrate other components such as a GPU water cooler or radiator into the water circuit.

Fan

The Alphacool Rise Aurora fan offers a wide control range as well as superior Digital aRGB LED lighting. The individually controllable 5V aRGB LEDs paired with the fan's special design create unique effects. The fan can be controlled from 0 to 2500 rpm via the 4-pin PWM connector. Additionally, it offers a Zero control, which allows the fan to be regulated down to 0 RPM and then starts at approximately 350 RPM. At 800 rpm, the fan is nearly silent, but still offers good airflow (118.9 m³/h) paired with high static pressure (3.17mm/H₂O).

DIY connections and ES hoses

The hose connections are from the normal DIY segment and therefore use a G1/4" thread. Thus, it is very easy to replace them. The black TPV hose comes, like the connectors, from the Alphacool ES series which is primarily installed in servers and workstations. The hose does not contain any plasticizers and, unlike classic PVC hoses, does not deform at high temperatures. The quick connector is not made of heavy brass, but of extremely light, durable and robust nylon. The quick disconnect is compatible with many other models in the Alphacool product line.

Full Digital aRGB Illumination

The cooler pump assembly and fans are fully equipped with Digital RGB LEDs, also known as addressable RGB or aRGB. Extensive effects can be set with the included controller or a Digital RGB controller on the motherboard. For easier control via a controller, the fans and also the pump can be connected in series as a daisy chain. This enables a neat wiring of the individual LED components.

Specifications

Compatibility:

Intel: 115X / 1200 / 1700 / 2011 / 2011-3 / 2066 / 3647 SQUARE & NARROW / 4189

AMD: AM4 / AM5 / TR4 / sTRX4 / sWRX8 / SP3

Technical data radiator	
L x W x H	391,5 x 124 x 30mm (+/- 3%)
Material cooling fins, pre-chambers & channels	copper
Material threads	brass
Material outer housing	stainless steel

Threads	2x G1/4"
Possible fan size	120mm
Possible fan assembly	3x one-sided / 6x both-sided
Pressure tested	0,8 Bar
Maximum working temperature	60°C
Fin density	18 FPI

Technical data cooler with pump	
L x W x H	64 x 79 x 54,3mm
Material cooler bottom	nickel plated copper
Material cooler top & reservoir	nylon, acrylic
Threads	2x G1/4" (+ 1x Fillport G1/4")
Pump type	DC-LT2
Pump speed	2600 rpm (+/- 10%)
Head of delivery	1 m
Maximum flow rate	72 L/h
Voltage	6-13,5V DC
Power consumption	3,2W
Pressure tested	0,8 Bar
Maximum working temperature	60°C

Technical data fans	
L x W x H	120 x 120 x 25mm
Speed	0-2500 rpm (+/- 10%)
Bearing	Sleeve Bearing
Connection	4-Pin PWM
Cable length	40cm

Voltage	12V DC
Current consumption	0,65A (0,72 max)
Static pressure	3,17 mm/H ₂ O
Max. air flow	118,9 m ³ /h
Noise	max. 31,5 dB(A)
Number of digital aRGB LEDs	20

Technical data liquid	
Color	clear
Ingredient 1	distilled water (CAS-Nummer 7732-18-5)
Ingredient 2	Glysantin (CAS-Nummer 1017-21-1)
Working temperatures	15°C/+90°C

Technical data quick-release coupling	
Dimensions	95 x 27mm
Material	Nylon
Tube size	12,7/7,6mm
Color	black

Technical data connectors	
Dimensions (connection straight)	24 x 18mm
Quantity (connection straight)	2x
Dimensions (connection 90°)	35 x 27 x 17mm
Quantity (connection 90°)	2x
Tube size	12,7/7,6mm
Material	brass

Technical data tube	
Length	40cm
Material	TPV (EPDM/PP)
Tube size	12,7/7,6mm
Hardness grade	35 Shore-A to 50 Shore-D
Maximum working temperature	-50 to +155°C
Color	black

Manufacturer:	Alphacool
Hose dimensions:	12,7/7,6mm
Radiator Dimension:	391,5 x 124 x 30mm
Socket:	Intel LGA 1700, Intel LGA 4189, AMD sTRX4, AMD sWRX8, Intel 115x, Intel LGA 1200, AMD SP3, Intel LGA 3647, AMD TR4, Intel 2066, AMD AM4, Intel 2011(-3) narrow ILM, Intel 2011(-3), AMD AM5
Radiator size:	360mm
Prefilled:	Yes
Radiator Thickness:	30mm

Note on application

Please use only in conjunction with clear transparent water cooling fluids. The particles and additives in Pastel liquids can clog and permanently damage water cooling products such as radiators, pumps, coolers and hoses. This can result in voiding the manufacturer's warranty as well.

Additional Information

Brand	Alphacool
SKU	AC-13074
Weight	12.0000
Block CPU Type	Intel/AMD
Vga	AMD FirePro W9100
Pump Type	DC-LT 2
Radiator Size	360 (3 x 120mm)
Radiator Thickness	30mm
Vendor SKU/EAN	4250197130745

